

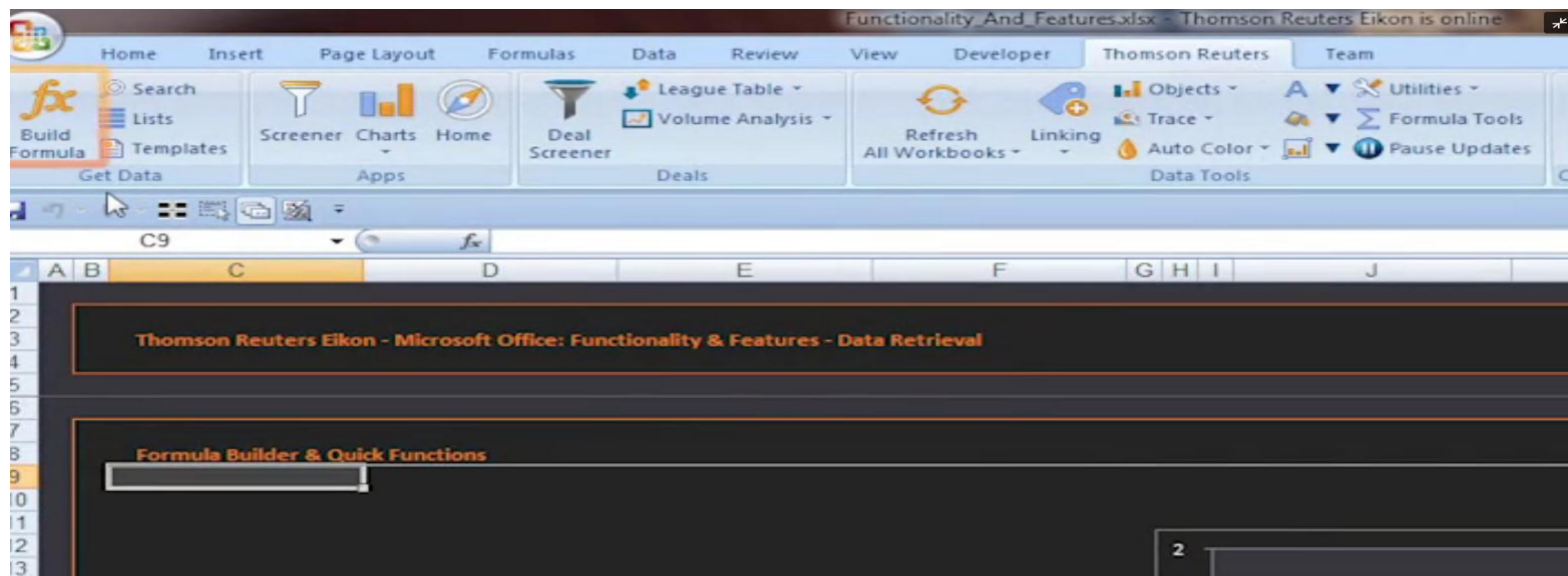
DATA RETRIEVAL IN MICROSOFT OFFICE

The image features a futuristic, minimalist office interior. The floor is a light gray with a grid pattern of thin, dark lines that recede into the distance, creating a sense of depth. The walls are also light gray and feature a series of vertical, curved lines that give the impression of a modern, curved architectural design. The overall lighting is soft and even, highlighting the clean lines and geometric shapes of the space. The title text is centered in the upper half of the image, rendered in a bold, orange, sans-serif font.

Getting Started with Thomson Reuters Eikon v4.

Microsoft Office Data Retrieval

Buil Formula es una potente interfaz gráfica diseñada para crear y editar funciones de recuperación de datos



Utiliza funciones de búsqueda predictiva para encontrar los códigos y datos

FORMULA BUILDER

Instrument(s): walma

Data Item(s): Top Hit

Source: **WAL** Western Alliance Bancorporation - Ordinary Share - NYSE Consolidated - WAL

Category: Equities

- ▶ Real Time (4201)
 - WAG** Walgreen Co - Ordinary Share - NYSE Consolidated - WAG
 - WMT** Wal-Mart Stores Inc - Ordinary Share - NYSE Consolidated - WMT
 - DIS** Walt Disney Co - Ordinary Share - NYSE Consolidated - DIS
 - WLT** Walter Energy Inc - Ordinary Share - NYSE Consolidated - WLT
 - 300142.SZ** Walvax Biotechnology Co Ltd - Ordinary Share - Shenzhen Stock Exchange - 300142
 - WAC** Walter Investment Management Corp - Ordinary Share - NYSE Consolidated - WAC
 - [More Equities](#)
- ▶ Time Series Ratios
 - Commodities**
 - 0#NTS-EXIT-WLEM** National Grid United Kingdom **Walesby ...** - Natural Gas - Commodity Fundamentals - National Grid
 - [More Commodities](#)
- ▶ Corporate Actions
 - Indices**
 - WCW-FTFI** Walker Crips Group Index Constituent - Equity Index

Se pueden escoger los parámetros y opciones de diseño para mostrar los datos

FORMULA BUILDER

Instrument(s): Search Instrument

Data Item(s): Search Data Item

Source: Real-Time & Fundamental Time Series

Category:

Parameters: Series

- ▶ Issuer Level Credit Rating (ICR) (30)
- ▶ Price & Volume (325)
- ▶ Reuters Fundamentals (1068)
 - General Information (4)
 - Standardized Income Statement (3...)
 - Standardized Balance Sheet (326)
 - Standardized Cash Flow (118)
 - Income Statement KPIs (137)
 - Balance Sheet KPIs (73)
 - ▶ Business and Geographic Segmen...
 - ▶ Period End Ratios (1073)

Interest Income, Bank

DPS - Common Stock Primary Issue

Gross Dividends - Common Stock

Basic Normalized EPS

Revenue

Basic EPS Excluding Extraordinary Items

Net Profit Margin, (%)

Cost of Revenue, Total

Depreciation And Amortization

Net Interest Income

As of: 1D

Financial Period: FY0

Roll Periods: True

Align Type: PrelimDate

Reporting State: Orig

Currency: Default

Scale: 0

Methodology: InterimSum

Utiliza **Quick Functions** para procesar datos dentro de la función

FORMULA BUILDER

Instrument(s): **WMT**

Data Item(s): **TR.Revenue** **TR.Revenue**

Source: Real-Time & Fundamental Time Series

Category:

Parameters: Series

Output: value

Quick Functions **i**

Absolute Value

% Change Over: 1

Trend: Average

Group Analyti: Median Of

Universe: Current Universe

Category list:

- ▶ Issuer Level Credit Rating (ICR) (30)
- ▶ Price & Volume (325)
- ▶ Reuters Fundamentals (1068)
 - General Information (4)
 - Standardized Income Statement (3...**
 - Standardized Balance Sheet (326)
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Interest Income, Bank

DPS - Common Stock Primary Issue

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Basic Normalized EPS

Revenue

Basic EPS Excluding Extraordinary Items

Net Profit Margin, (%)

Cost of Revenue, Total

Depreciation And Amortization

Net Interest Income

Order: Alphabetical Relevance

Permite recuperar una lista de peers

T_CHG(TR.REVENUE(SDATE=0,EDATE=-9,FRQ=FY),,WSIZE=-1)

51102
14602
93601
2674
71513
36285
97175
27677
93602
59555

In-Cell Formula Builder & Formula Tools

Peers

```
=TR("Peers("&S0$10&"),  
"TR.PrimaryInstrument",,Q11:Q56)
```

- CVX.N
- PSX.N
- VLO.N
- MPC.N
- TSO.N
- HFC.N
- MUR.N
- DK.N
- PBF.N
- APC.N
- EOG.N
- COP.N
- APA.N
- DVN.N
- NBL.N

Los editores de fórmulas permiten crear nuevas funciones utilizando una sintaxis sencilla



CHG(TR.REVENUE(SDATE=0,EDATE=-9,FRQ=FY),,WSIZE=-1)

102
602
601
74
513
285
175
677
602
555



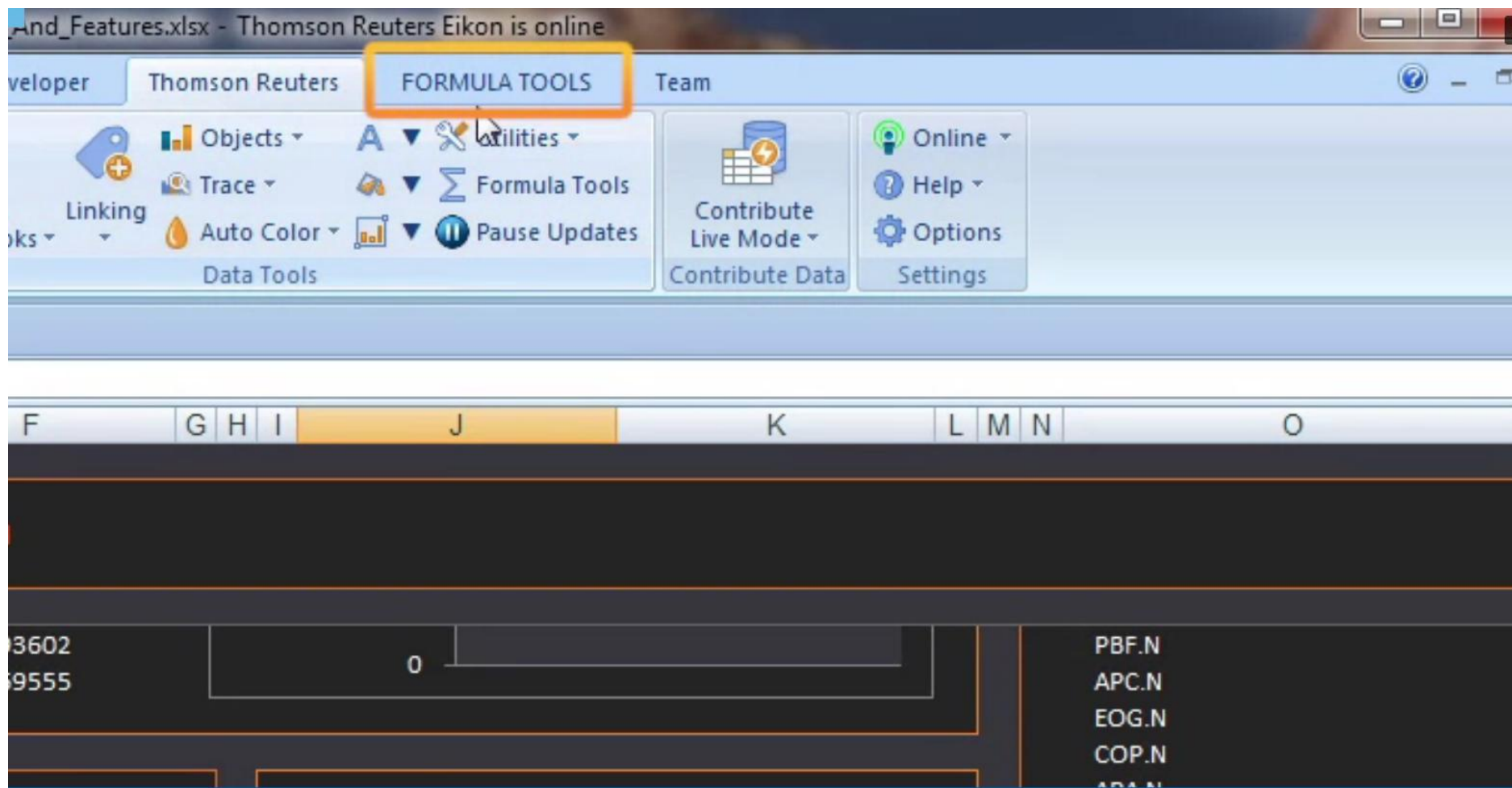
In-Cell Formula Builder & Formula Tools

Peers

Partial table; Updated at 11:33:49

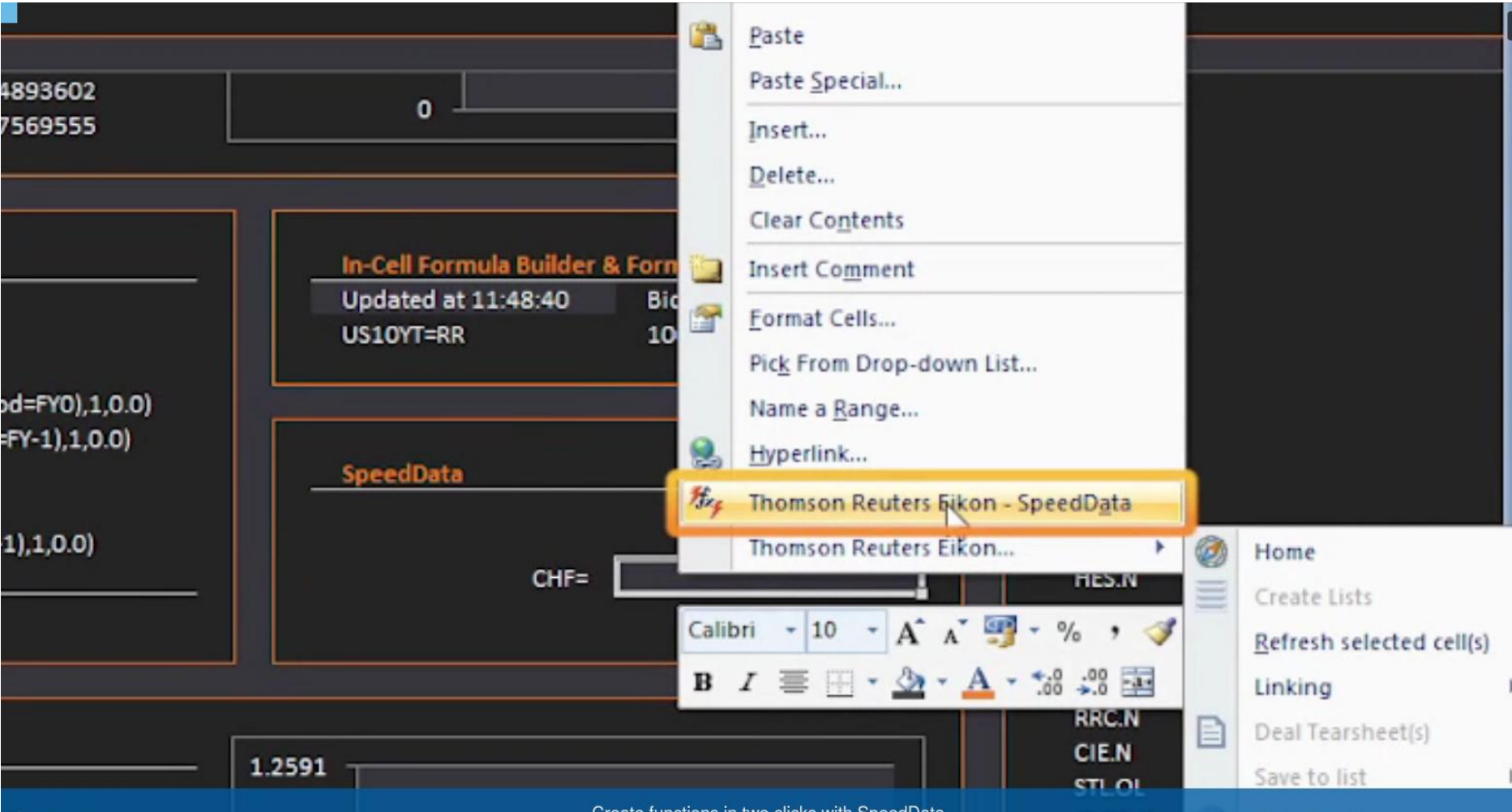
- XOM
- CVX.N
- PSX.N
- VLO.N
- MPC.N
- TSO.N
- HFC.N
- MUR.N
- DK.N
- PBF.N
- APC.N
- EOG.N
- COP.N
- APA.N
- DVN.N
- NBL.N
- PETR4.SA
- WNR.N

Formula Tools permite cambiar rápidamente el diseño de las funciones existentes sin reabrir la interfaz



Se puede alternar o desactivar funciones para suspender y reanudar las actualizaciones

Crear funciones haciendo 2 clics en *Speed Data*



Con Data Cloud Expressions se puede realizar cálculos complejos

The screenshot displays a software interface for Data Cloud Expressions. On the left, a list of companies is shown under the heading 'EQUITIES'. The companies listed are: Banco Popular Espanol SA (POP.MC), Popular Inc (BPOP.O), Bharat Petroleum Corporation Ltd (BPCLNS), Banco Bpi SA (BBPLLS), and Boston Private Financial Holdings Inc (BPFH.O). A search bar at the top of this list contains the text 'BP PLC (BP.L)'. Below the list, a formula editor is visible, showing the text 'Piotroski score' followed by '=TR(bp'. To the right of the main interface, there are several panels: 'In-Cell Formula Build' with 'Updated at 11:48:40' and 'US10YT=RR', and 'SpeedData'. At the bottom of the interface, a 'Real-Time Data Capture' section shows 'Updated at 12:04:50' and a value of '1.2589'. A blue banner at the bottom of the video contains the text: 'Use Analytics Data Cloud expressions to perform complex calculations on the cloud streamlining your workbook.' The video player controls at the bottom show a progress bar at 01:34 and a total duration of 04:34.

Obtención de datos históricos en tiempo real

TEXT X ✓ f

Thomson Reuters Eikon - Microsoft Office: Functionality & Features - Data Retrieval

Piotroski score 5

Real-Time Data Capture

`=TR(C40,"TIMESTAMP;CF_LAST;CTBTR_1","UPDFRQ=1S CH=Fd SERIES:Y RET:16",D40)`

EUR=	Timestamp	Last	Contributor
	30/10/2014 12:04:59	1.2588	Commerzbank
	30/10/2014 12:04:58	1.2588	Commerzbank
	30/10/2014 12:04:57	1.2589	CBA
	30/10/2014 12:04:56	1.2589	WGZ BANK
	30/10/2014 12:04:55	1.2589	WGZ BANK
	30/10/2014 12:04:54	1.2589	CBA
	30/10/2014 12:04:53	1.2589	CBA
	30/10/2014 12:04:52	1.2588	WGZ BANK
	30/10/2014 12:04:51	1.2588	WGZ BANK
	30/10/2014 12:04:50	1.2588	WGZ BANK
	30/10/2014 12:04:49	1.2588	CITIBANK
	30/10/2014 12:04:48	1.2589	DANSKE BANK
	30/10/2014 12:04:47	1.2588	Commerzbank
	30/10/2014 12:04:46	1.2588	Commerzbank
	30/10/2014 12:04:45	1.2589	WGZ BANK

Capture real-time tick data.

01:45 04:34

La función **RHistory** se utiliza para devolver una tabla de series cronológicas de datos

Multi Asset Class Historical Data				Portfolios & Lists
=RHistory(IDS62-SFS63 , ".Timestamp;Close", "NBROWS:15 INTERVAL:1D", "TSREPEAT:NO NULL:PREVIOUS CH:Fd DAY:W", C63)				
Timestamp	CLc1 Trade Close	RDSa.AS Trade Close	EUR= Bid Close	
30/10/2014	81.53	28.000	1.2587	
29/10/2014	82.20	28.220	1.2631	
28/10/2014	81.42	27.835	1.2734	
27/10/2014	81.00	27.705	1.2697	
24/10/2014	81.01	27.875	1.2670	
23/10/2014	82.09	28.000	1.2644	
22/10/2014	80.52	27.725	1.2648	
21/10/2014	82.81	27.420	1.2714	
20/10/2014	82.71	26.560	1.2798	
17/10/2014	82.75	27.115	1.2761	
16/10/2014	82.70	25.905	1.2807	
15/10/2014	81.78	26.440	1.2836	
14/10/2014	81.84	27.345	1.2658	
13/10/2014	85.74	27.780	1.2752	
10/10/2014	85.82	27.840	1.2627	

En Portfolio and List Manager podemos encontrar nuestros listados

The screenshot displays the 'PORTFOLIO & LIST MANAGER' interface. On the left, a sidebar menu lists 'Portfolios & Lists' with sub-categories: 'My Portfolios (7)', 'TR Portfolios', 'All Portfolios', 'Lists', 'My Lists', 'TR Lists', 'All Lists', and 'My Market Indices'. The main area features a search bar and a table of items. The table has columns for 'Type', 'Name', 'Code', 'Currency', 'Securit...', 'Owner', and 'Last Modified'. A blue banner at the bottom states: 'Your portfolios and lists are also available on your mobile devices and in Excel.'

Type	Name	Code	Currency	Securit...	Owner	Last Modified
P	LSE St...	LSE St...	-	11	tristan...	2014/10/29 4:30:...
P	LSE St...	LSE St...	-	11	tristan...	2014/9/16 11:29:...
P	Portfoli...	Port01	-		tristan...	2014/2/22 12:01:...
P	FX_Test	FX_Test	USD	3	tristan...	2013/8/28 10:41:...
P	Test_P...	Test_P...	GBP	2	tristan...	2013/1/22 9:11:0...
P	Test_P...	Test_P...	GBP	3	tristan...	2013/1/8 1:42:56 ...
P	Turkey...	Turkey...	-	6	tristan...	2012/10/15 1:21:...

RSearch devuelve una lista dinámica según los criterios establecidos

Esta función duplica las pantallas de búsqueda avanzada en el escritorio

17/10/2014	82.75	27.115	1.2761	HSO.AX
16/10/2014	82.70	25.905	1.2807	IBP.N
15/10/2014	81.78	26.440	1.2836	ICD.N
14/10/2014	81.84	27.345	1.2658	ICON.KL
13/10/2014	85.74	27.780	1.2752	IMS.N
10/10/2014	85.82	27.840	1.2627	IPO-BDEC.HK
				JPEP.K
				IPO-ONTB.L
				2255.HK
				IPO-SOFTINN.OL
				ISD.AX
				ISS.CO
				KTWO.OQ
				KWEL
				LADR.N
				LMNS.OQ
				LNTAq.L
				LNTH.OQ
				LOCO.OQ
				BRIT.L
				LQ.N
				MANX.L

Dynamic Instrument Search (RSearch)			
Updated at 11:33:50			
	Search	Option RIC	Type / Style
	AAPLO	AAPLM171510786.U	PUT / P-AM
	StrikePrice	106.2666=<108.4134	AAPLM171510643.U
		AAPLK221410700.U	PUT / P-AM
		AAPLI311410800.U	CALL / C-AM
	Close	107.340	AAPLI311410800.U
			CALL / C-AM
	Number of Rows	16	AAPLX121410800.U
			PUT / P-AM
			AAPLV311410800.U
			PUT / P-AM
			AAPLA151610643.U
			CALL / C-AM
			AAPLP171510714.U
			PUT / P-AM
			AAPLK071410700.U
			CALL / C-AM
			AAPL7V311410700.U
			PUT / P-AM

La función Screener para crear pantallas

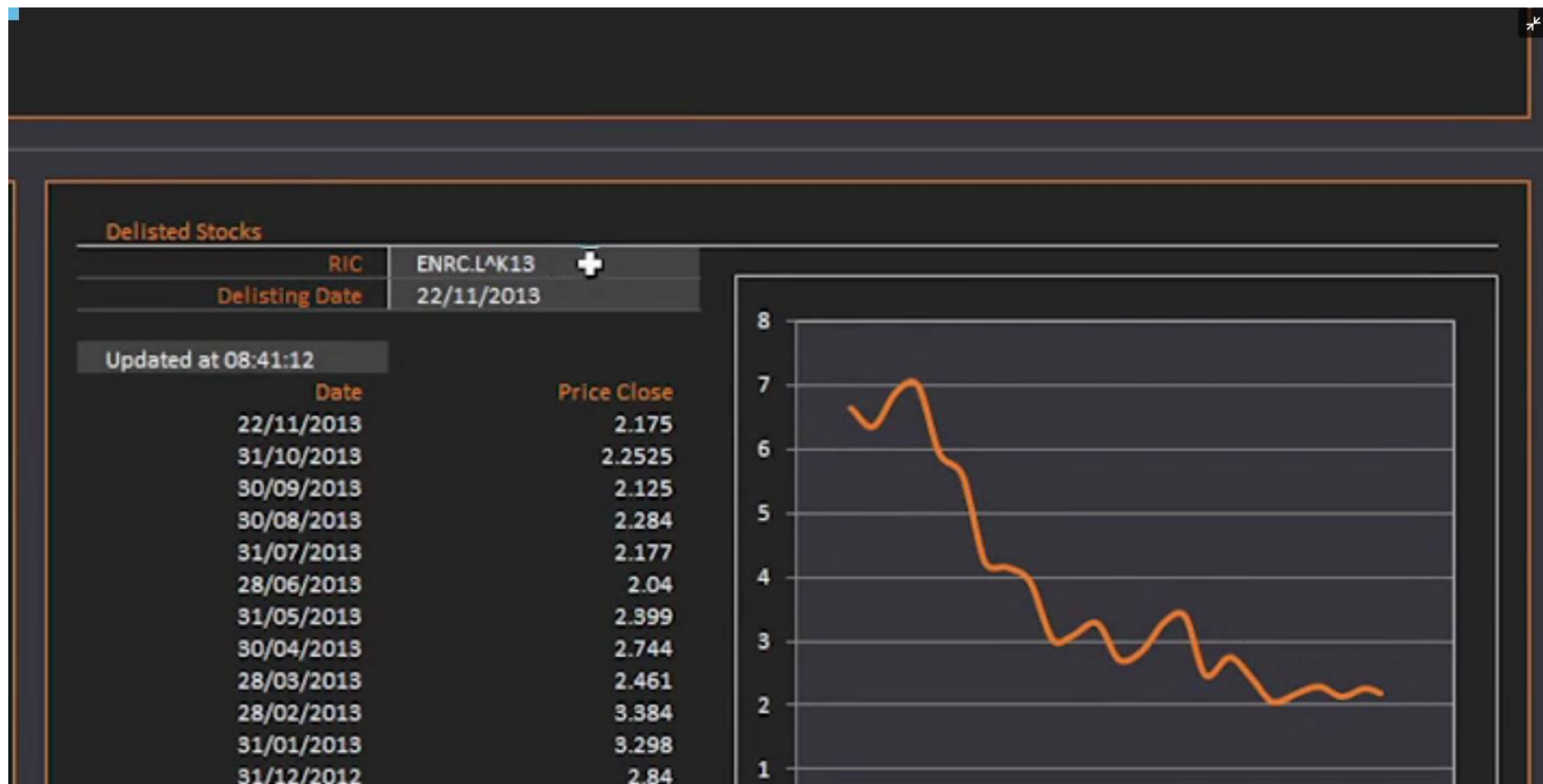
The screenshot shows the Microsoft Excel interface with the 'Screener' function highlighted in the ribbon. The formula bar contains the following formula:

```
=TR("SCREEN(U(IN(indices(4932935/*FTSE 100*/))),TR.PE>GAVG(TR.HQCountryCode,TR
```

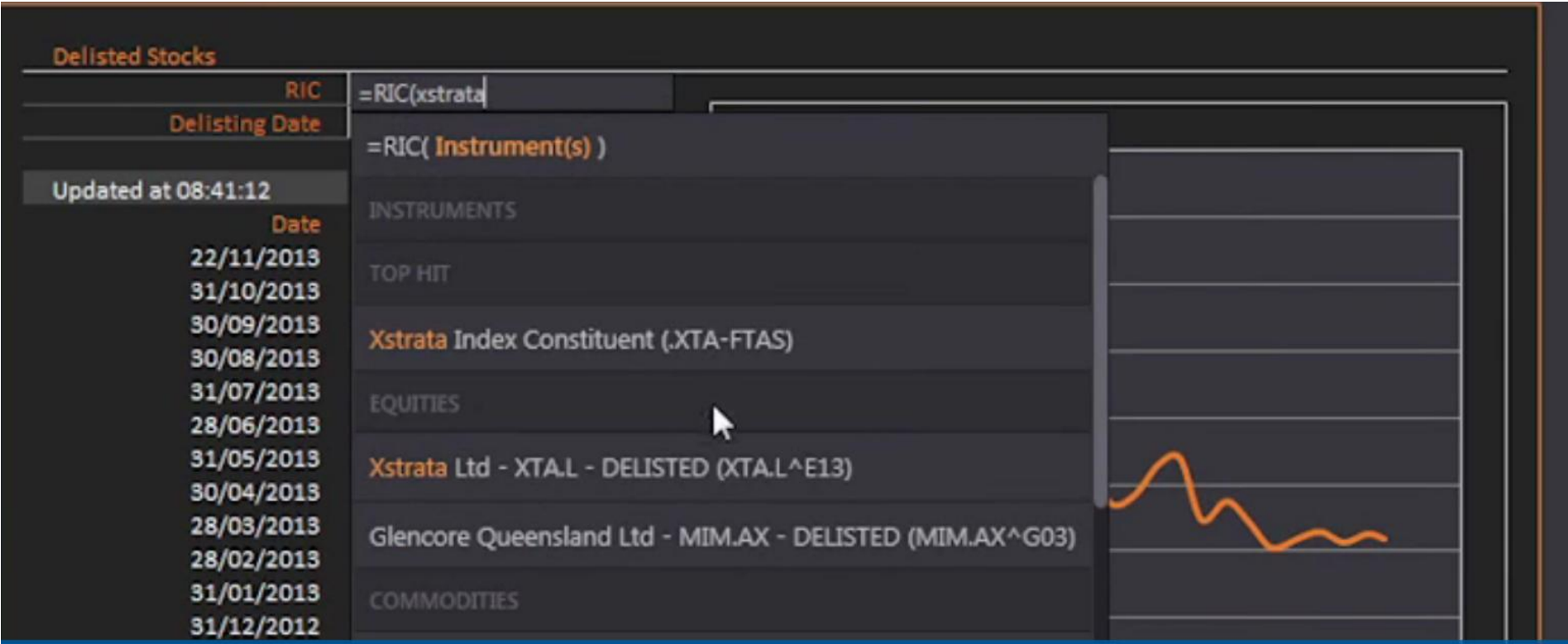
The spreadsheet displays a table with the following data:

Partial table; Updated	Company Common Na	P/E	.PE,UNIVERSE="UNIV")	
AALL	Anglo American PLC	303.5892514	303.5892514	NORD.N
BAB I	Babcock International	24.70827339	41.01353523	NWHM.N

Permite solicitar series cronológicas de datos de referencia para cada día natural, o sólo para días de apertura del mercado



Buscar empresas excluidas y recuperar conjuntos de datos seleccionados, como el historial de precios antes de la fecha de exclusión



TRAggregate calcula fácilmente los datos resumidos de un conjunto de acciones

Aggregates		
Universe	O#.FTSE	Portfolio, Lists, Indices, Screens, range of cells containing stock RICs
Data Item	TR.EBITDA	
Group By	TR.HeadquartersRegion	
Also Group By (Optional)	TR.TRBCIndustry	
Audit	N	Return Aggregated Data

+

```
=TRAggregate(Universe,Data Item,IF Audit="Y","All",A6J47,"Audit=" & Audit,I51)
```

TR.HeadquartersRegion	TR.TRBCIndustry	
Americas	Diversified Mining	739452000
Europe	Investment Management &	2953774339
Europe	Property & Casualty Insura	6418602341
Europe	Business Support Services	5022078381
Europe	Diversified Mining	61984000000
Europe	Specialty Mining & Metals	2753800000
Europe	Semiconductors	493865995.6
Europe	Pharmaceuticals	25305910586
Europe	Life & Health Insurance	18811774639

Podemos ver los ingresos previstos por empresa, región y producto

November 2014: Additional Functionality and Datasets (Elkon 4.0.27 / ADC 1.9.3)
 Aggregates (TRAggregate), Delisted Stocks, Product Estimates, Ownership Data, Trading Day Calendars

Product Estimates			Aggregates
RIC	NOVOB.CO	Novo Nordisk A/S	
Updated at 08:41:03			
Pharmaceutical Sales - Region	Pharmaceutical Sales - Product	Pharmaceutical Sales - Mean Estimate	
Japan	Insulin degludec	13,003,901	
Japan	liraglutide	53,114,526	
Worldwide except USA	Insulin de+udec	9,890,291	
Europe	Insulin degludec	53,297,679	Update
Worldwide except USA	liraglutide	162,274,034	16.297
Worldwide except USA	NovoRapid	360,812,469	RIC
United States of America	NovoRapid	1,981,904,430	III.L
Japan	NovoRapid	152,200,590	ADN.L
Europe	liraglutide	639,022,693	ADMLL
Worldwide except USA	NovoMix	335,354,127	AGGK.L
United States of America	NovoMix	541,218,704	AALL
Europe	Levemir FlexPen	533,892,562	ANTO.L
Japan	NovoMix	127,108,555	

Podemos y analizar la inversión de capital utilizando la función Ownership Statics

November 2014: Additional Functionality and Datasets (Elkon 4.0.27 / ADC 1.9.3)

Aggregates (TRAggregate), Delisted Stocks, Product Estimates, Ownership Data, Trading Day Calendars

Ownership Data (Current)

Updated at 08:14:46

Instrument	Company Common Name	Percent of Shares Held by Employees
VFC.N	VF Corp	19.99
AMZN.OQ	Amazon.com Inc	18.13
URBN.OQ	Urban Outfitters Inc	17.26
CCL.N	Carnival Corp	16.99
PSA.N	Public Storage	14.31
GPS.N	Gap Inc	14.26
BEN.N	Franklin Resources Inc	34.63
ORCL.N	Oracle Corp	25.13
CPB.N	Campbell Soup Co	39.1
MAR.OQ	Marriott International Inc	32.04
BBY.N	Best Buy Co Inc	17.52
WYNN.OQ	Wynn Resorts Ltd	19.38
GRMN.OQ	Garmin Ltd	37.65
JWN.N	Nordstrom Inc	21.66
KMI.N	Kinder Morgan Inc	23.64

EXPN.L
FRES.L
FLG.L
GFS.L
GKN.L
GLEN.L
GSK.L
HMSO.
HRGV.L
HSBA.L
ICAG.L
IMT.L
IHG.L
ITRK.L
INTUP.
ITV.L
JMAT.L
KGF.L
LAND.L
LGEN.L

Permite elegir la presentación de los datos

Orderbook

Settings

RIC	VOD.L	
OrderbookType		Blank (Default): Automatic Selection
NbRows		Blank (default): All rows
View	Lite	Selected Columns (Lite Version)
Column Header (CH)	Fd	Show Field Descriptions as Column Headers

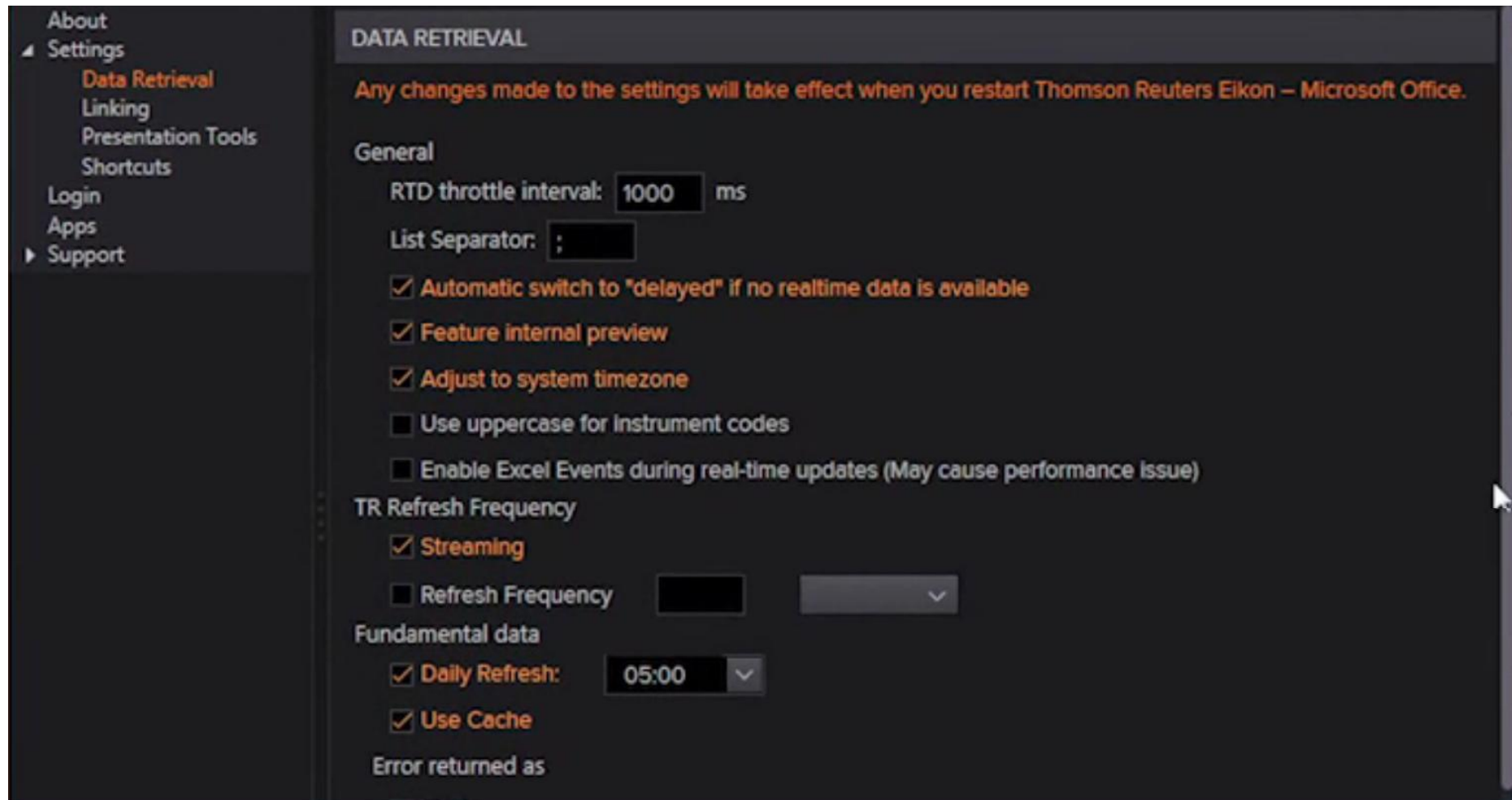
+

Orderbook

Updated at 08:44:02

Count	Size	Bid	Ask	Size	Count
4	14,870.00	206	210	2,792.00	1.00
1	9,500.00	205	211	9,207.00	2.00
1	9,000.00	204	212	31,954.00	2.00
2	1,895.00	203	214	3,000.00	1.00
1	25,000.00	202	215	95,813.00	5.00
1	400.00	201	217	57,206.00	3.00

Con **Options-Setting** podemos cambiar la configuración para controlar las frecuencias de actualización y uso de datos



La opción **App Library** permite activar **Deal analytics** y **Datastream** para usar otras formas de recuperar datos y otros contenidos adicionales

